

## Section 1. Registration Information

### Source Identification

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Facility Name: Pacific International Cooling  
Parent Company #1 Name:  
Parent Company #2 Name:

### Submission and Acceptance

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Submission Type: Re-submission  
Subsequent RMP Submission Reason: 5-year update (40 CFR 68.190(b)(1))  
Description: 5-year update 9/2008  
Receipt Date: 06-Dec-2013  
Postmark Date: 06-Dec-2013  
Next Due Date: 06-Dec-2018  
Completeness Check Date: 06-Dec-2013  
Complete RMP: Yes  
De-Registration / Closed Reason:  
De-Registration / Closed Reason Other Text:  
De-Registered / Closed Date:  
De-Registered / Closed Effective Date:  
Certification Received: Yes

### Facility Identification

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EPA Facility Identifier: 1000 0018 9912  
Other EPA Systems Facility ID:

### Dun and Bradstreet Numbers (DUNS)

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Facility DUNS:  
Parent Company #1 DUNS:  
Parent Company #2 DUNS:

### Facility Location Address

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Street 1: 4631 East Gila Ridge Road  
Street 2:  
City: Yuma  
State: ARIZONA  
ZIP: 85365  
ZIP4:  
County: YUMA

### Facility Latitude and Longitude

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Latitude (decimal): 32.680000  
Longitude (decimal): -114.554722  
Lat/Long Method: Interpolation - Photo  
Lat/Long Description: Center of Facility  
Horizontal Accuracy Measure: 25  
Horizontal Reference Datum Name: North American Datum of 1983  
Source Map Scale Number: 24000

## Owner or Operator

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Operator Name:	Robert Petersen
Operator Phone:	(928) 726-1027

## Mailing Address

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Operator Street 1:	4631 East Gila Ridge Road
Operator Street 2:	
Operator City:	Yuma
Operator State:	ARIZONA
Operator ZIP:	85365
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

## Name and title of person or position responsible for Part 68 (RMP) Implementation

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RMP Name of Person:	Robert Petersen
RMP Title of Person or Position:	Facility Manager
RMP E-mail Address:	rppic@hotmail.com

## Emergency Contact

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Emergency Contact Name:	Esteban Diaz
Emergency Contact Title:	Refrigeration Tech
Emergency Contact Phone:	(928) 726-1027
Emergency Contact 24-Hour Phone:	(928) 210-5815
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	N/A

## Other Points of Contact

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Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	(928) 726-1027
Facility or Parent Company WWW Homepage Address:	

## Local Emergency Planning Committee

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LEPC:	Yuma County LEPC
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## Full Time Equivalent Employees

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Number of Full Time Employees (FTE) on Site:	56
FTE Claimed as CBI:	

## Covered By

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OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

## OSHA Ranking

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OSHA Star or Merit Ranking:

## Last Safety Inspection

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Last Safety Inspection (By an External Agency) Date:	25-Mar-2013
Last Safety Inspection Performed By an External Agency:	Fire Department

## Predictive Filing

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Did this RMP involve predictive filing?:

## Preparer Information

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Preparer Name:	Riverside Environmental Services, Inc.
Preparer Phone:	(928) 783-3803
Preparer Street 1:	4885 West Riverside Drive
Preparer Street 2:	
Preparer City:	Yuma
Preparer State:	ARIZONA
Preparer ZIP:	85364
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

## Confidential Business Information (CBI)

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CBI Claimed:  
Substantiation Provided:  
Unsanitized RMP Provided:

## Reportable Accidents

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Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.
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## Process Chemicals

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Process ID:	1000046197
Description:	Ammonia Refrigeration
Process Chemical ID:	1000055931
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	25000
CBI Claimed:	
Flammable/Toxic:	Toxic

## Process NAICS

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Process ID:	1000046197
Process NAICS ID:	1000046599
Program Level:	Program Level 3 process
NAICS Code:	49313
NAICS Description:	Farm Product Warehousing and Storage

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000037878

Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	Areal Locations of Hazardous Atmospheres [ALOHA(R)]
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Urban

Passive Mitigation Considered

- Dikes:
- Enclosures:
- Berms:
- Drains:
- Sumps:
- Other Type:

## Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000039987

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Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	Areal Locations of Hazardous Atmospheres [ALOHA(R)]
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Urban

### Passive Mitigation Considered

Dikes:  
Enclosures:  
Berms:  
Drains:  
Sumps:  
Other Type:

### Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	Yes
Flares:	
Scrubbers:	
Emergency Shutdown:	Yes
Other Type:	

## **Section 4. Flammables: Worst Case**

No records found.

## **Section 5. Flammables: Alternative Release**

No records found.

## Section 6. Accident History

No records found.

## Section 7. Program Level 3

### Description

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Anhydrous ammonia is utilized as a refrigerant in precooling, cold rooms and process water chilling operations.

### Program Level 3 Prevention Program Chemicals

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Prevention Program Chemical ID:	1000047778
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7

Prevention Program Level 3 ID:	1000040227
NAICS Code:	49313

### Safety Information

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Safety Review Date (The date on which the safety information was last reviewed or revised):	16-Oct-2013
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### Process Hazard Analysis (PHA)

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PHA Completion Date (Date of last PHA or PHA update):	15-Oct-2013
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### The Technique Used

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What If: Checklist: What If/Checklist: HAZOP: Failure Mode and Effects Analysis: Fault Tree Analysis: Other Technique Used:	Yes
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	01-Jan-2014

### Major Hazards Identified

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Toxic Release:	Yes
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	Yes
Earthquake:	Yes
Floods (Flood Plain):	

Tornado:  
Hurricanes:  
Other Major Hazard Identified: Vandalism

## Process Controls in Use

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Vents:  
Relief Valves: Yes  
Check Valves: Yes  
Scrubbers:  
Flares:  
Manual Shutoffs: Yes  
Automatic Shutoffs: Yes  
Interlocks:  
Alarms and Procedures: Yes  
Keyed Bypass:  
Emergency Air Supply:  
Emergency Power:  
Backup Pump:  
Grounding Equipment:  
Inhibitor Addition:  
Rupture Disks:  
Excess Flow Device: Yes  
Quench System:  
Purge System:  
None:  
Other Process Control in Use:

## Mitigation Systems in Use

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Sprinkler System:  
Dikes:  
Fire Walls:  
Blast Walls:  
Deluge System:  
Water Curtain:  
Enclosure:  
Neutralization:  
None: Yes  
Other Mitigation System in Use:

## Monitoring/Detection Systems in Use

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Process Area Detectors: Yes  
Perimeter Monitors:  
None:  
Other Monitoring/Detection System in Use:

## Changes Since Last PHA Update

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Reduction in Chemical Inventory:  
Increase in Chemical Inventory:  
Change Process Parameters:  
Installation of Process Controls:  
Installation of Process Detection Systems:

Installation of Perimeter Monitoring Systems:

Installation of Mitigation Systems:

None Recommended:

None:

Yes

Other Changes Since Last PHA or PHA Update:

## Review of Operating Procedures

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Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 16-Oct-2013

## Training

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Training Revision Date (The date of the most recent review or revision of training programs): 16-Oct-2013

## The Type of Training Provided

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Classroom: Yes

On the Job: Yes

Other Training:

## The Type of Competency Testing Used

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Written Tests: Yes

Oral Tests:

Demonstration:

Observation:

Other Type of Competency Testing Used:

## Maintenance

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Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures): 16-Oct-2013

Equipment Inspection Date (The date of the most recent equipment inspection or test): 01-Oct-2013

Equipment Tested (Equipment most recently inspected or tested):

All process equipment including tanks, pipes, pumps, pressure sensors, vapor lines, shutoffs, cutoffs, unloading, etc.

## Management of Change

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Change Management Date (The date of the most recent change that triggered management of change procedures):

Change Management Revision Date (The date of the most recent review or revision of management of change procedures): 16-Oct-2013

## Pre-Startup Review

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Pre-Startup Review Date (The date of the most recent pre-startup review): 05-Nov-2013

## Compliance Audits

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Compliance Audit Date (The date of the most recent compliance audit): 07-Feb-2012

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit): 07-Sep-2012

## Incident Investigation

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Incident Investigation Date (The date of the most recent incident investigation (if any)):

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):

## Employee Participation Plans

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Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans): 16-Oct-2013

## Hot Work Permit Procedures

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Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures): 16-Oct-2013

## Contractor Safety Procedures

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Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures): 16-Oct-2013

Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):

## Confidential Business Information

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CBI Claimed:

## **Section 8. Program Level 2**

## Section 9. Emergency Response

### Written Emergency Response (ER) Plan

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Community Plan (Is facility included in written community emergency response plan?): Yes

Facility Plan (Does facility have its own written emergency response plan?): Yes

Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): Yes

Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): Yes

Healthcare (Does facility's ER plan include information on emergency health care?): Yes

### Emergency Response Review

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Review Date (Date of most recent review or update of facility's ER plan): 15-Mar-2013

### Emergency Response Training

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Training Date (Date of most recent review or update of facility's employees): 05-Nov-2013

### Local Agency

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Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated): City of Yuma Fire Department

Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated): (928) 782-1832

### Subject to

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OSHA Regulations at 29 CFR 1910.38: Yes

OSHA Regulations at 29 CFR 1910.120:

Clean Water Regulations at 40 CFR 112:

RCRA Regulations at CFR 264, 265, and 279.52:

OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:

State EPCRA Rules or Laws: Yes

Other (Specify):

## Executive Summary

### EXECUTIVE SUMMARY

Pacific International Cooling's (Yuma, Arizona) accidental release prevention policy involves a unified approach that integrates technologies, procedures, and management practices. All applicable procedures of the EPA Prevention Program are adhered to. Pacific International Cooling's emergency response policy involves the preparation of response plans which are tailored to the facility and to the emergency response services available in the community. It is also in compliance with the EPA Emergency Response Program requirements.

The Pacific International Cooling facility in Yuma utilizes anhydrous ammonia as a refrigerant in their precooling, cold rooms and process water chilling operations. Fresh produce is brought from the fields and cooled to remove field heat. The produce is then stored in a cold storage warehouse. The facility holds 16,300 pounds of anhydrous ammonia for the refrigeration process.

The general accidental release prevention program is based on the following key elements:

- (c) Training of the operators.
- (d) Preventative maintenance program.
- (e) Use of state-of-the-art process and safety equipment.
- (f) Use of accurate and effective operating procedures.
- (g) Performance of a process hazard analysis of equipment and procedures.
- (h) Implementation of an auditing and inspection program.

Chemical specific prevention steps including awareness of the hazardous and toxic properties of these toxic substances.

No accidental releases of anhydrous ammonia have occurred at this facility in the past five years.

Pacific International Cooling will fully implement the RMP and will initiate appropriate changes as needed to maintain a safe operation.

The emergency response program includes an emergency response notification plan. Emergency response drills and drill evaluations are conducted once every year; emergency operations and response procedures are also reviewed at that time.